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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE PCT NATIONAL STAGE APPLICATION OF      Art Unit: 1646  
Baumgarten, Birgit, et al.      Examiner: Li, Ruixiang  
INTERNATIONAL APPLICATION NO: PCT/EP04/006625  
FILED: June 18, 2004  
U.S. APPLICATION NO: 10/560,322  
35 USC §371 DATE: September 12, 2006  
FOR: PROTON-SENSING G-PROTEIN COUPLED RECEPTORS AND  
DNA SEQUENCES THEREOF

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

RESPONSE TO OFFICE ACTION

Sir:

This Reply is submitted in response to the Office Action mailed November 24, 2009. This response is timely filed by the due date of February 24, 2010, thus, no extensions are required.

Please enter the following amendments and the remarks.

**Amendments to the Claims** are reflected in the listing of the claims which begin on page 3 of this paper.

**Remarks/Arguments** begin on page 5 of this paper.